Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A bit error measurement apparatus for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted for a digital broadcasting is executed, comprising:

a packet extraction means for extracting ~~an equivalence~~ a NULL packet whose all of said digital data should have the same ~~values~~ value 0 from among said packets transmitted through said transmission network;

a data comparison means for comparing said digital data of said ~~equivalence~~ NULL packet to comparison data that should have the value 0 of said digital data of said ~~equivalence~~ NULL packet; and

an error judgment means for judging the data as an error when result of said comparison is disagreement,

wherein the packet includes the NULL packet for adjusting a transmission rate of the digital broadcasting.

Claim 2 (cancelled)

3. (Currently Amended) A bit error measurement method for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted for a digital broadcasting is executed, comprising:

a packet extraction step for extracting ~~an equivalence~~ a NULL packet whose all of said digital data should have the same ~~values~~ value 0 from among said packets transmitted through said transmission network;

a data comparison step for comparing said digital data of said ~~equivalence~~ NULL packet to comparison data that should have the value 0 of said digital data of said ~~equivalence~~ NULL packet; and

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an error judgment means for judging the data as an error when result of said comparison is disagreement,

wherein the packet includes the NULL packet for adjusting a transmission rate of the digital broadcasting.

4.   (Currently Amended) A computer-readable medium having a program of instructions for execution by the computer to perform a bit error measurement process for measuring a bit error of a transmission network through which transmission of a packet having digital data to be transmitted for a digital broadcasting is executed, comprising:

a packet extraction processing for extracting an equivalence a NULL packet whose all of said digital data should have the same values value 0 from among said packets transmitted through said transmission network;

a data comparison processing for comparing said digital data of said equivalence NULL packet to comparison data that should have the value 0 of said digital data of said equivalence NULL packet; and

an error judgment processing for judging the data as an error when result of said comparison is disagreement,

wherein the packet includes the NULL packet for adjusting a transmission rate of the digital broadcasting.

Claims 5-8 (Cancelled).